FloArm Primer 1240

(Formerly known as MYK INDUFLOOR® -IB 1240)

Oil and vapour barrier

TECHNICAL DATA SHEET

Uses

FloArm Primer 1240 is used:

- As a special primer for oil contaminated, but previously
- Cleaned concrete substrates
- As effective protection against the formation of osmosis
- Bubbles with exposure to moisture from the rear
- As a primer for still damp concrete / bonded screed
- Substrates
- Are to be treated with MYK Flooring system coatings
- Are to be covered with conventional, classic floor finishes such as PVC, Linoleum, carpet, parquet, tiles etc.
  Please refer to the advice section.

Features and Benefits

FloArm Primer 1240 is a low solvent, moisture Compatible, two component epoxy resin with the following properties:

- Due to its high density it displaces the water from the capillaries in the surface zone and functions as a barrier against capillary rising oils
- Bonds very well to damp concrete substrates
- High Sd-value (< 300 m, water vapour proof).

Application Methodology

Substrate requirement:

The substrate must be clean, dry & free of all contaminates having preferably the following properties

- Concrete quality: min. C20/25
- Screed quality: min. EN 13813 CT-C25-F4
- Age: min. 28 days
- Pull out strength = 1.5 N/mm²
- Residual moisture < 4.0% (carbide hygrometer)

Step No.1: Surface Preparation

All previous floor coating if any must be mechanically removed to the maximum extent possible. It is acceptable to relay on floor coating that has a firm bond (pull out strength of 1.5 N/mm2).

Concrete substrates must be prepared mechanically using abrasive blast cleaning, scarifying or grinding equipment to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

Repairs to the substrate, i.e.,filling of blowholes/voids and surface leveling must be carried out using appropriate repair product. All dust, loose and friable material must be completely removed from the surface before application of the product, preferably by brush and/or vacuum. Ensure moisture content of the concrete surface is below 4 % - no rising moisture according to ASTM D 4263 (Polythene Sheet Method) and above 3 deg C dew point.

Step no.2: Mixing

Components A (resin) and B (hardener) are supplied in a predetermined mixing ratio. Pour component B into component A. Ensure that the hardener drains completely from its container. Mixing of the components is to be carried out with a suitable mixer at approx. 150-200 rpm (e.g. drill with paddle). It is important to also stir from the sides and the bottom to ensure that the hardener is evenly dispersed. Stir until the mix is a homogenous mix, standard mixing time is 3 minutes. The minimum temperature during mixing should be +15° C.

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Application in oil Contaminated Concrete Areas:

- Clean with the cleaning agent FloArm Tool Clean in accordance with application instructions. Afterwards clean the surface with high pressure water jetting. Remove excess water with a suitable wet vacuum.
- Evenly apply FloArm Primer 1240on to the substrate whilst still damp with a stiff nylon brush and then rolled.

Please Observe:

A closed film of water may not be present on the surface of the concrete. The substrate may not dry out - during drying there is a risk that due to continuously rising oil no bond between the primer and the background is achieved.

Technical Data

Basis	Two component epoxy resin
Colour	Off White
Density	Approx. 1, 86 g/cm3
Pot life	Approx. 60 minutes at +23° Capprox.30 minutes at +30°C
Application temperature	Min +8°C, Max +30°C
Foot traffic after	Min. approx. 12 hours at +23°C
Overcoat after	Approx 12 - 24 hours at +23°C
Fully cured	after approx. 7 days at +23°C
Min. cure temperature	+8°C (slow cure)
Consumption	Min. 600 - 1.000 g/m²
Compressive strength (IS 9162)	Approx. 80 N/mm²
Tensile adhesion strength (ASTM D 4541)	> 1.5 N/mm2 concrete failure
Flexural strength (IS 9162)	Approx. 30 N/mm²
WDDW in µ* (DIN 16 726 free film) * Water vapour diffusion resistance	Approx. 738.552

Method of Application / Consumption

FloArm Primer 1240 is applied to saturation on to the cleaned matt damp background with a rubber squeegee, brushed carefully into the surface with a priming brush and evenly rolled with a fur roller with short nap. Blind the fresh priming coat with quartz sand (grade: 0.5 - 1.0 or 0.7 - 1.2 mm diameter). Once cured carefully remove all non-bound quartz sand before applying primers for further coatings. Material consumption: dependent on the substrate the consumption is between min. 6.7 - 1.0 kg/m2. The consumption of broadcast sand is approx. 1.5 kg/m2.After a waiting time of approx. 12 to 24 hours any optional MYK flooring coating system beginning with the appropriate primer or other floor build up can be implemented.

Packaging

FloArm Primer 1240 is available in 10 kg containers. Components A and B are delivered in a predetermined mixing ratio.

Storage and Shelf Life

18 months when stored dry and cool above +10°C in the original unopened packaging.

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Annotation

- Oil contaminated substrates are particularly problematical. We recommend that you contact our Technical Services Department.
- Higher temperatures shorten the pot life. Lower temperatures increase the pot life and curing time. Material consumption is also increased at lower temperatures.
- Protect surface protective systems from moisture (e.g. rain, melt water) for approx. 4 - 6 hours after application. Dampness produces a white discolouration and/or stickiness on the surface and can impede the cure. Discoloured and/or sticky surfaces should be taken off e.g. by abraded and renewed.
- High temperatures, direct sunlight and draughts can lead to the formation of a skin and impede the necessary granular binding as well as penetration into the substrate
- When using FloArm Primer 1240 as a vapour barrier beneath conventional floor finishes such as PVC, Linoleum, carpet and parquet, do not use a solvent based adhesive. This leads to later bulging in the applied finish.
- Protect areas not to be treated from the effects of FloArm Primer 1240.
- Applications that are not clearly explained in this technical data sheet may only be carried out after consultation with and written confirmation from the technical Services Department of MYK Arment.
- Take heed of the technical data sheets for the products mentioned above before starting work.
- Cured product residues are to be disposed of under waste disposal classification 57123 “Epoxy resin”.

Product Categories Available

Legal Note

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